

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method for producing reactive organic compounds containing poly-DOPO, said method comprising reacting 9,10 - dihydro-9-oxa-10-phosphaphenanthrene-10-oxide (DOPO) with acetylenically unsaturated compounds having reactive groups, wherein said reacting step is performed in the presence of a catalyst which is suitable for the addition of triple bonds.
2. (Previously Presented) The method as claimed in claim 1, wherein the organophosphorus compound DOPO and the acetylenically unsaturated compound are reacted with one another in a ratio of 1.5 to 3 mol of DOPO per triple bond.
3. (Previously Presented) The method as claimed in claim 1, wherein the acetylenically unsaturated compounds used are alkynes, alkynols, alkynecarboxylic acids, alkynecarboxylic esters or corresponding alkadiyne compounds.
4. (Previously Presented) The method as claimed in claim 1, wherein the catalyst used for the reaction of the organophosphorus compound DOPO with the acetylenically unsaturated compound is mercury salts, copper salts, amines or aluminum triisopropoxide.
5. (Previously Presented) The method as claimed in claim 1, wherein the addition reaction is carried out in solution.

6. (Currently Amended) Flame retardant for thermoplastic polymers comprising the reactive organic compounds containing poly-DOPO prepared as in claim 1.

7. (Previously Presented) The method as claimed in Claim 2, wherein the ratio is 1.9 to 2.1 mol of DOPO per triple bond.

8. (Previously Presented) The method as claimed in Claim 5, wherein the addition reaction is carried out in 1,4-dioxane.

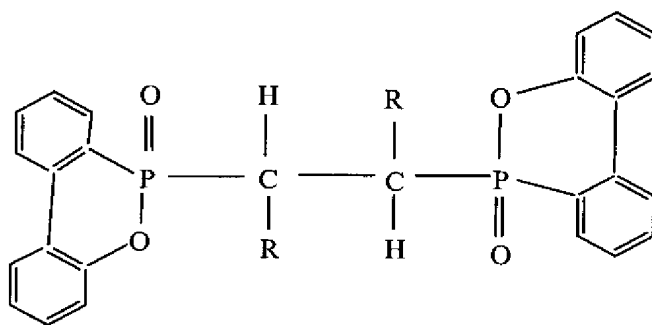
9. (New) A method for producing reactive organic compounds containing poly-DOPO as claimed in claim 1, wherein the reactive groups on the acetylenically unsaturated compounds are acetylenedicarboxylic acid or acetylenedicarboxylic diester,

and said method further comprises converting the acetylenedicarboxylic acid or acetylenedicarboxylic diester into diglycol ester or

the reactive groups on the acetylenically unsaturated compounds is dicarboxylic acid,

and said method further comprises converting the dicarboxylic acid into carboxyaminoamide or carboxylic/amide salt.

10. (New) Flame retardant for thermoplastic polymers comprising the formula



where R is independently selected from carboxyl, carboxyalkyl, carboxyaryl, hydroxyalkyl, alkoxyalkyl, aroxyalkyl, hydroxyaryl, alkoxyaryl or aroxyaryl.